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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Entomology and Plant Quarantine
Insecticide Division
Patent List No. 41

A LIST OF
UNITED STATES PATENTS
Issued from 1917 to 1933 inclusive
relating to
SCREENS FOR WINDOWS AND DOORS, PART I
compiled by
R. C. Roark

Washington, D. C.
March 1935

A LIST OF UNITED STATES PATENTS ISSUED FROM 1917 to 1933, INCLUSIVE
RELATING TO SCREENS FOR WINDOWS AND DOORS

Part I.

Compiled by

R. C. Roark

Insecticide Division, Bureau of Entomology and Plant Quarantine.

These 389 patents relate to devices for preventing flies and other insects from entering doors and windows in houses, automobiles or other enclosures.

Every effort has been made by the compiler to make this list of patents complete and no discrimination is intended against any patent mention of which is inadvertently omitted.

The Department of Agriculture assumes no responsibility for the merits or workableness of any of the patents, nor does it recommend any of the inventions listed.

1,211,402 (Jan. 9, 1917; appl. Jan. 25, 1915). HOLDING MEANS
FOR ROLLER-SCREENS. Edward T. Burrowes, Portland, Me.

1,211,403 (Jan. 9, 1917; appl. June 24, 1915). COLLAPSIBLE
WINDOW-SCREEN. Edward T. Burrowes, Portland, Me.

1,212,676 (Jan. 16, 1917; appl. Jan. 14, 1916). WINDOW-SCREEN.
Roswell H. Porter, Weston, Michigan.

1,213,029 (Jan. 16, 1917; appl. Feb. 8, 1916). SCREEN-WIRE
FASTENER. Walter W. Schmidt, Fond Du Lac, Wis.

1,214,162 (Jan. 30, 1917; appl. Dec. 1, 1915). WINDOW-SCREEN.
Charles W. Hinchcliffe, Lawrence, Mass.

1,216,495 (Feb. 20, 1917; appl. May 6, 1916). WINDOW-SCREEN.
Frank Reese, Minneapolis, Minn. - Reese Manufacturing Company, Minneapolis,
Minn.

1,219,962 (Mar. 20, 1917; appl. Apr. 7, 1915). WINDOW-SCREEN.
Earl R. Leary and Ralph W. Pillsbury, Scarboro, Me.

1,220,888 (Mar. 27, 1917; appl. Oct. 2, 1915). WINDOW-SCREEN.
Sidney C. Porter, East Liverpool, Ohio.

1,221,595 (Apr. 3, 1917; appl. Oct. 8, 1915). CANOPY FOR DOORS.
John C. Riggs, Berkeley, Calif.

1,223,535 (Apr. 24, 1917; appl. July 6, 1914). WINDOW-SCREEN.
Clifford Traut and Henry Higgin, Newport, Ky. - Higgin Manufacturing
Company, Newport, Ky.

1,225,979 (May 15, 1917; appl. Jan. 28, 1916). WINDOW-SCREEN.
Bertha E. Littgé, Paonia, Colo.

1,226,802 (May 22, 1917; appl. Mar. 30, 1914). WINDOW-SCREEN.
John E. Orr, Portland, Me. - The E. T. Burrowes Company, Portland, Me.

1,227,734 (May 29, 1917; appl. Aug. 19, 1916). DOOR AND WINDOW
SCREEN. Otto V. Anderson, Loxley, Ala.

1,228,536 (June 5, 1917; appl. Oct. 3, 1916). WINDOW-SCREEN.
Edward H. Craig, Charleston, W. Va.

1,232,283 (July 3, 1917; appl. Feb. 14, 1916). WINDOW-SCREEN.
Harry H. Gold, Portland, Me.

1,233,310 (July 17, 1917; appl. Feb. 9, 1914). SHEET-METAL FRAME.
Edvard Carlson and Worden, Frank B., Jamestown, N.Y. - Frank B. Worden,
Jamestown, N. Y.

- 1,233,432 (July 17, 1917; appl. Feb. 9, 1914; divided and filed Nov. 6, 1914). SHEET-METAL FRAME. Frank B. Worden, Jamestown, N. Y. - Edvard Carlson, Buffalo, N. Y.
- 1,234,034 (July 17, 1917; appl. Oct. 4, 1916). SCREEN ATTACHMENT FOR WINDOWS. Carl J. Jackson, Superior, Wis.
- 1,235,152 (July 31, 1917; appl. Apr. 26, 1916). ADJUSTABLE SCREEN-DOOR. Swan A. Nelson, Tunnelhill, Pa.
- 1,235,694 (Aug. 7, 1917; appl. May 1, 1916). WINDOW-SCREEN. Conrad A. Johnson, Jamestown, N. Y.
- 1,235,735 (Aug. 7, 1917; appl. May 17, 1915). SCREEN. Joseph J. Steffan and Cornelius G. Scilligo, St. Louis, Mo.
- 1,238,747 (Sept. 4, 1917; appl. July 1, 1916). WIRE SCREEN. William D. Cramer, Philadelphia, Pa.
- 1,238,854 (Sept. 4, 1917; appl. Mar. 26, 1917). SHEET-METAL WINDOW-SCREEN FOR RAILWAY-CARS. William W. Watson, Jamestown, N. Y.
- 1,241,687 (Oct. 2, 1917; appl. Mar. 26, 1917). WEATHER-STRIP FOR SHEET-METAL WINDOW-SCREENS. William W. Watson, Jamestown, N. Y.
- 1,241,794 (Oct. 2, 1917; appl. Mar. 26, 1917). SHEET-METAL WINDOW-SCREEN FOR CASEMENTS. William W. Watson, Jamestown, N. Y.
- 1,243,715 (Oct. 23, 1917; appl. May 31, 1917). SCREEN-FRAME. William N. Cropper and Sallie L. Lancaster, Lexington, Ky.
- 1,245,044 (Oct. 30, 1917; appl. Aug. 17, 1915). WINDOW-SCREEN. John C. Scott, Lexington Pike, Ky.
- 1,245,045 (Oct. 30, 1917; appl. Oct. 16, 1916). CONSTRUCTION OF WINDOW-SCREENS. John C. Scott, Lexington Pike, Ky.
- 1,245,249 (Nov. 6, 1917; appl. May 23, 1916). SCREEN FOR POCKET-WINDOWS. Edmund H. Lunken, Cincinnati, Ohio.
- 1,245,537 (Nov. 6, 1917; appl. Jan. 30, 1917). CORNER-JOINT FOR SCREENS AND OTHER FRAMES. Frederick W. Van Fleet and Rodney S. Van Fleet, Toledo, Ohio.
- 1,248,857 (Dec. 4, 1917; appl. Oct. 7, 1915). WINDOW-SCREEN. Henry Higgin, Newport, Ky. - Higgin Manufacturing Company, Newport, Ky.
- 1,248,858 (Dec. 4, 1917; appl. Jan. 24, 1916). WINDOW-SCREEN. Henry Higgin, Newport, Ky. - Higgin Manufacturing Company, Newport, Ky.
- 1,250,376 (Dec. 18, 1917; appl. Feb. 15, 1915). WINDOW-SCREEN. Ernest Starbuck and William A. Seelye, Peoria, Ill. - Fred Wilson,

1,251,823 (Jan. 1, 1918; appl. Sept. 13, 1916). WINDOW-SCREEN
Willie S. Price, Thomasville, Ga.

1,254,865 (Jan. 29, 1918; appl. Sept. 7, 1915). FLY-SCREEN-
FABRIC HOLDER. Charles O. Tessier, White Plains, N. Y.

1,256,838 (Feb. 19, 1918; appl. June 2, 1913). WINDOW-SCREEN.
Arthur C. Soule, San Francisco, Calif. - Sanitary Screen and Shade Co.,
San Francisco, Calif.

1,257,707 (Feb. 26, 1918; appl. Aug. 24, 1917). WINDOW-SCREEN.
Charles W. Hinchcliffe, Lawrence, Mass.

1,259,113 (Mar. 12, 1918; appl. Feb. 12, 1917). SCREEN DEVICE
FOR POCKET-WINDOWS. Edmund H. Lunken, Cincinnati, Ohio.

1,259,114 (Mar. 12, 1918; appl. Mar. 9, 1917). SCREENING DEVICE
FOR POCKET-WINDOWS. Edmund H. Lunken, Cincinnati, Ohio.

1,259,115 (Mar. 12, 1918; appl. June 25, 1917). POCKET-WINDOW
SCREEN. Edmund H. Lunken, Cincinnati, Ohio.

1,259,236 (Mar. 12, 1918; appl. Mar. 15, 1916). WINDOW-
VENTILATOR. Otis A. Hollis, Pittsburgh, Pa.

1,260,589 (Mar. 26, 1918; appl. Aug. 7, 1916). SCREEN.
William Steger, Linden Heights, Ohio.

1,263,066 (Apr. 16, 1918; appl. July 5, 1917). WINDOW-SCREEN
SUPPORTER. Emil H. Jourdan and William M. Young, Newark, N. J.

1,264,416 (Apr. 30, 1918; appl. Sept. 6, 1916). WINDOW-
SCREEN. Charles D. Maney, Pelham, N. Y.

1,265,477 (May 7, 1918; appl. Mar. 10, 1917). WINDOW-SCREEN.
Maurice H. Milman, Brooklyn, N. Y. - Eli Heller, Wilkes-Barre, Pa.

1,270,287 (June 25, 1918; appl. Mar. 19, 1918). SCREEN.
Glenn F. Greenwell, Glendale, Ky.

1,270,915 (July 2, 1918; appl. June 19, 1917). WINDOW CON-
STRUCTION. Samuel B. Zimmer, El Centro, Calif.

1,271,389 (July 2, 1918; appl. Mar. 8, 1918). SCREEN. William
J. B. Taylor, Findlater, Saskatchewan, Canada.

1,273,133 (July 23, 1918; appl. Oct. 23, 1913). WINDOW-SCREEN
FOR SWINGING SASHES. William Bayley, Springfield, Ohio.

1,273,221 (July 23, 1918; appl. Aug. 6, 1914). SCREEN FOR
REVOLVING WINDOWS. Henry Higgin and Clifford Traut, Newport, Ky. -
Higgin Manufacturing Company, Newport, Ky.

1,273,222 (July 23, 1918; appl. Apr. 27, 1917). WINDOW-SCREEN.
Henry Higgin and Joseph Haas, Newport, Ky. - Higgin Manufacturing
Company, Newport, Ky.

1,274,029 (July 30, 1918; appl. Aug. 9, 1916). WINDOW-SCREEN.
George H. Forsyth, Chicago, Ill.

1,276,376 (Aug. 20, 1918; appl. Mar. 27, 1917). MEANS FOR
LOCKING WINDOW-SASHES TO SCREENS. Louis A. Kling, East Cleveland,
and Charles F. Dennis, Cleveland, Ohio. - The J. G. Brill Company,
Philadelphia, Pa.

1,278,745 (Sept. 10, 1918; appl. Sept. 11, 1917). WINDOW-
SCREEN. Joe H. Pohl, Merrill, Iowa.

1,279,625 (Sept. 24, 1918; appl. Oct. 16, 1916). WINDOW-
SCREEN. Duff H. Wertz, St. Louis, Mo. - Viola Muehl, St. Louis, Mo.

1,285,613 (Nov. 26, 1918; appl. June 24, 1918). SCREEN-
FRAME. Jesse L. Cabral, Brockton, Mass.

1,285,754 (Nov. 26, 1918; appl. Apr. 30, 1917). POCKET-WINDOW
SCREEN. Edmund H. Lunken, Cincinnati, Ohio.

1,285,973 (Nov. 26, 1918; appl. Feb. 12, 1918). SCREEN-FRAME.
Fred H. Fredman, Rochester, N. Y.

1,289,077 (Dec. 31, 1918; appl. June 8, 1918). WINDOW-SCREEN.
Jacob S. Aydelott, Columbus, Ohio. - M. M. Davis, Uhrichsville, Ohio.

1,294,316 (Feb. 11, 1919; appl. Aug. 26, 1918). WINDOW-
VENTILATOR. Jesse Snyder, Chicago, Ill.

1,297,786 (Mar. 18, 1919; appl. Jan. 16, 1917). VENTILATING
WINDOW, LOUVER, DOOR, AND THE LIKE. Carl H. Boller, Kansas City, Mo.

1,299,016 (Apr. 1, 1919; appl. Mar. 11, 1918). ADJUSTABLE
WINDOW-SCREEN. Herman M. Opitz, Norwich, Conn.

1,300,984 (Apr. 15, 1919; appl. June 13, 1918). CURTAIN-
PROTECTING ATTACHMENT FOR SCREENS. Virginia McKirahan, New Rochelle,
N. Y.

1,304,471 (May 20, 1919; appl. Nov. 25, 1916). CLOSING DEVICE.
Edward L. Gifford, Alameda, Calif.

1,306,329 (June 10, 1919; appl. Nov. 5, 1917; renewed May 5,
1919). WINDOW-SCREEN. Joseph Z. Collette, Jr., Fitchburg, Mass.

1,306,715 (June 17, 1919; appl. Mar. 18, 1919). SCREEN
ATTACHMENT. William F. Piller, Dalton, Nebr.

1,307,726 (June 24, 1919; appl. March 31, 1919). SCREEN CONSTRUCTION. William N. Cropper, Lexington, Ky.

1,313,562 (Aug. 19, 1919; appl. June 7, 1917). METAL SCREEN. Isaac R. Shepard, River Junction, Fla.

1,324,768 (Dec. 9, 1919; appl. May 20, 1919). SCREEN-HANGER. Howard L. Agee and Sidney A. Agee, Fort Worth, Texas.

1,324,845 (Dec. 16, 1919; appl. Nov. 21, 1918). DEVICE FOR REPAIRING WINDOW-SCREENS. Dana Osgood, Hopedale, Mass.

1,324,950 (Dec. 16, 1919; appl. Oct. 2, 1919). WINDOW-SCREEN FRAME. Rose Zrebiec, Woodlawn, Pa.

1,325,961 (Dec. 23, 1919; appl. Oct. 15, 1919). WINDOW OR DOOR SCREEN. William J. Smith, Roswell, N. Mex.

1,333,513 (Mar. 9, 1920; appl. Oct. 25, 1917). SCREEN. Lucy A. Stoneman, Columbia, Va.

1,340,933 (May 25, 1920; appl. July 26, 1917). ELECTRICAL TESTING SYSTEM. Henry P. Clausen, Mount Vernon, N. Y. - Western Electric Company, Inc., New York, N. Y.

1,343,933 (June 22, 1920; appl. Aug. 11, 1919). SCREEN FOR SWINGING SASH. Frank Reese, Minneapolis, Minn.

1,344,093 (June 22, 1920; appl. Nov. 27, 1918). METAL-FRAME SCREEN. Charles A. Shogren, Chicago, Ill.

1,347,946 (July 27, 1920; appl. Aug. 30, 1919). WINDOW-SCREEN. Jacob J. Greenwald, Sheboygan, Wis.

1,350,027, (Aug. 17, 1920; appl. Aug. 21, 1919). METAL WINDOW-SCREEN. Alfred M. Lane, St. Louis, Mo. - Monarch Metal Products Company, St. Louis, Mo.

1,350,147 (Aug. 17, 1920; appl. Oct. 29, 1919). WINDOW ATTACHMENT. Joseph E. Galbraith, New York, N. Y.

1,351,733 (Sept. 7, 1920; appl. Apr. 16, 1920). WINDOW-SCREEN. Charles J. Barker, Columbus, Ohio.

1,351,940 (Sept. 7, 1920; appl. Apr. 12, 1920). SCREEN DOOR AND WINDOW CONSTRUCTION. David C. Blake, Durham, N. C.

1,359,146 (Nov. 16, 1920; appl. Oct. 31, 1917). SCREEN FOR DOUBLE RAILWAY-CAR WINDOWS. Roy T. Axe, Syracuse, N. Y. - O. M. Edwards Company, Inc., Syracuse, N. Y.

1,363,921 (Dec. 28, 1920; appl. Mar. 24, 1920). SCREEN-FRAME. Morris J. Roth, Corona, and Abraham Roth, East Elmhurst, N. Y.

1,369,036 (Feb. 22, 1921; appl. June 10, 1920). SCREEN-FASTENER. Horace McCaffrey, Dallas, Tex.

1,370,214 (Mar. 1, 1921; appl. Nov. 5, 1919). WINDOW FRAME AND SCREEN. Gustave M. Kaempffe, Peetzburg, N. J.

1,372,128 (Mar. 22, 1921; appl. Sept. 23, 1920). VENTILATING-SCREEN FOR WINDOWS. Frank A. Ferguson, Waterloo, Iowa.

1,375,828 (Apr. 26, 1921; appl. Sept. 9, 1920). SAFETY DEVICE FOR SCREENS. Edward J. Coleman, Scranton, Pa.

1,379,001 (May 24, 1921; appl. Mar. 2, 1920). DOOR AND WINDOW SCREEN. Vernon L. Diven, Ogden, Utah.

1,380,661 (June 7, 1921; appl. June 5, 1920). SCREEN. William Leininger, New York, N. Y. - John J. Leininger, Long Island City, N. Y.

1,387,947 (Aug. 16, 1921; appl. June 15, 1920). WINDOW-SCREEN. Robert Schulz, Milwaukee, Wis.

1,396,164 (Nov. 8, 1921; appl. Nov. 30, 1917). METAL SCREEN. Warren W. Cole, Portland, Me.

1,398,017 (Nov. 22, 1921; appl. Jan. 18, 1919). WINDOW-SCREEN. William J. Hewitt, Bloomfield, N. J.

1,408,849 (Mar. 7, 1922; appl. May 21, 1921). METAL WINDOW SCREEN FOR RAILWAY CARS. William W. Watson, Jamestown, N. Y.

1,422,539 (July 11, 1922; appl. Sept. 7, 1920). WINDOW SCREEN. Isaac W. Cherry, Pensacola, Fla.

1,424,431 (Aug. 1, 1922; appl. Jan. 23, 1922). WINDOW-SCREEN HANGER. Charley D. Agee, Dallas, Tex.

1,426,561 (Aug. 22, 1922; appl. Aug. 17, 1921). WINDOW-SCREEN CONSTRUCTION. William H. J. Fitzgerald, Braintree, Mass.

1,427,620 (Aug. 29, 1922; appl. Nov. 12, 1921). SCREEN FRAME. Frank Mushall, Chicago, Ill.

1,431,071 (Oct. 3, 1922; appl. Jan. 30, 1922). SCREEN-DOOR CONSTRUCTION. Elmer T. Willhoite, Woodruff, Mo.

1,435,270 (Nov. 14, 1922; appl. Mar. 18, 1921). INTERLOCKING ADJUSTABLE FRAME SHOE. John O. Wagner, Chicago, Ill.

1,436,858 (Nov. 28, 1922; appl. Mar. 22, 1922). SCREEN FRAME. Reinhart J. Burhen, St. Louis, Mo. - Walter P. Riester, St. Louis, Mo.

1,438,777 (Dec. 12, 1922; appl. Oct. 3, 1921). WINDOW SCREEN. Fred W. Nass, Chicago, Ill.

1,439,167 (Dec. 19, 1922; appl. Oct. 14, 1920). REWIREABLE SCREEN.
Henry Higgin, Newport, Ky. - Higgin Manufacturing Co., Newport, Ky.

1,443,263 (Jan. 23, 1923; appl. Dec. 3, 1920). VENTILATOR.
Otis A. Hollis, Knoxville Borough, Pa.

1,445,534 (Feb. 13, 1923; appl. Nov. 16, 1920). SCREEN DOOR,
WINDOW, OR THE LIKE. Emmett E. Miller, Norfolk, Va.

1,446,188 (Feb. 20, 1923; appl. Dec. 10, 1921). WINDOW SCREEN.
Joseph M. Lang, Buffalo, N. Y.

1,449,846 (Mar. 27, 1923; appl. Nov. 28, 1921). WINDOW SCREEN.
Jeremiah L. Trombly, St. Albans, Vt.

1,453,280 (May 1, 1923; appl. Mar. 27, 1922). WINDOW SCREEN.
Henry A. Park, South Roanoke, Va.

1,458,984 (June 19, 1923; appl. June 3, 1922). SCREENED DRAIN.
Thomas C. Kunkel, Madrid, Nebr.

1,461,441 (July 10, 1923; appl. Jan. 29, 1920). WINDOW SCREEN.
Amy E. Davis, New York, N. Y.

1,461,500 (July 10, 1923; appl. Jan. 31, 1922). SCREEN FOR
WINDOWS AND SCREEN DOORS. Hartwell B. Shipee, Killingly, Conn.

1,463,121 (July 24, 1923; appl. Apr. 18, 1922). WINDOW SCREEN.
George W. Johnston, Washington, D. C.

1,464,370 (Aug. 7, 1923; appl. Jan. 17, 1921). FRAME FOR
FLEXIBLE SCREENS, ETC. William Novick, Brooklyn, N. Y.

1,468,232 (Sept. 18, 1923; appl. Nov. 11, 1920). WINDOW SCREEN.
James H. Grayson, Kansas City, Mo.

1,471,187 (Oct. 16, 1923; appl. Oct. 12, 1922). WINDOW SCREEN.
Carl G. Morgner, Chicago, Ill.

1,472,127 (Oct. 30, 1923; appl. Sept. 11, 1922). COURSE DIRECTOR
FOR FLIES. Matthew J. Kivlin, Kingsville, Tex.

1,473,941 (Nov. 13, 1923; appl. Apr. 5, 1922). PEEP OPENING
FOR WIRELESS-TELEGRAPH RADIO BOXES. Henry C. Stevens, Oakland, Calif.

1,473,982 (Nov. 13, 1923; appl. Mar. 21, 1921; divided and filed
Oct. 19, 1922).. SHEET-METAL WINDOW SCREEN FOR RAILWAY CARS. William
W. Watson, Jamestown, N. Y.

1,474,675 (Nov. 20, 1923; appl. Oct. 16, 1922). WINDOW SCREEN.
Frederick B. Kirkness, Yorklyn, Del.

1,476,565 (Dec. 4, 1923; appl. Mar. 4, 1920). WINDOW SCREEN.
Lee A. Yeager, Akron, Ohio.

1,478,168 (Dec. 18, 1923; appl. Oct. 1, 1920). WINDOW SCREEN.
Frank E. Boehncke, Woodhaven, N. Y.

1,480,153 (Jan. 8, 1924; appl. Feb. 6, 1922). WINDOW SCREEN.
Judson M. Cramer, Gardner, Kans.

1,487,335 (Mar. 18, 1924; appl. Sept. 29, 1921). SCREEN.
Hugo Jaeger, Schnectady, N. Y. - General Electric Company.

1,487,970 (Mar. 24, 1924; appl. July 17, 1922). SCREEN FRAME.
Frank Mushall, Chicago, Ill.

1,488,577 (Apr. 1, 1924; appl. Jan. 11, 1923). SCREEN. William
W. Watson, Jamestown, N. Y.

1,491,708 (Apr. 22, 1924; appl. May 16, 1922). WINDOW-SCREEN.
ATTACHMENT. Leopold Kummerer, Memphis, Tenn.

1,492,220 (Apr. 29, 1924; appl. Mar. 2, 1922). SCREEN FASTENER.
Robert A. Reese, Minneapolis, Minn.

1,492,822 (May 6, 1924; appl. July 28, 1922). DOOR AND WINDOW
SCREEN. Coleman S. Winchester and John Burton, Brockton, Mass.

1,495,542 (May 27, 1924; appl. May 21, 1921). SHEET-METAL
WINDOW SCREEN FOR RAILWAY CARS. William W. Watson, Jamestown, N. Y.

1,496,594 (June 3, 1924; appl. Jan. 21, 1924). METALLIC SCREEN.
Arthur L. Otto, Philadelphia, Pa.

1,500,779 (July 8, 1924; appl. June 11, 1923). FLY-SCREEN
SLIDE. William A. Taylor, Detroit, Mich. -

1,501,131 (July 15, 1924; appl. Feb. 10, 1922). WINDOW-SCREEN
CONSTRUCTION. Franklin A. Mosman, Cambridge, Mass.

1,502,693 (July 29, 1924; appl. July 25, 1921). REWIRABLE
METAL SCREEN. Frederick A. Stickle, Cincinnati, Ohio. - Lunkenheimer
Company, Cincinnati, Ohio.

1,503,325 (July 29, 1924; appl. Apr. 29, 1920). SCREEN FOR
PIVOTED WINDOW SASHES. Alfred M. Lane, St. Louis, Mo.

1,504,457 (Aug. 12, 1924; appl. Dec. 29, 1916). METAL FRAME
FOR SCREENS AND THE LIKE. John O. Wagner, Chicago, Ill.

1,508,559 (Sept. 16, 1924; appl. Aug. 2, 1920). WINDOW SCREEN.
William M. Koons, Chanute, Kansas.

1,512,187 (Oct. 21, 1924; appl. Apr. 25, 1922). SCREEN DOOR OR
WINDOW. Andrew M. Anderson, Redmond, Wash.

1,512,252 (Oct. 21, 1924; appl. Apr. 24, 1923). SCREEN-DOOR
STRUCTURE. Cornelius Verduin, Crookston, Nebr.

1,512,853 (Oct. 21, 1924; appl. Sept. 12, 1923). SCREEN DOOR
AND SCREEN GUARD THEREFOR. Albert O. Lower, Coshocton, Ohio.

1,516,246 (Nov. 18, 1924; appl. Oct. 24, 1922). WINDOW SCREEN.
Gerald H. Reagan, River Forest, Ill.

1,523,251 (Jan. 13, 1925; appl. Dec. 7, 1923). AUTOMOBILE
WINDOW SCREEN. Earl J. Bracken, Butte, Mont.

1,524,724 (Feb. 3, 1925; appl. Apr. 9, 1923). ADJUSTABLE SCREEN
HANGER FOR WINDOWS. John O. Wagner, Chicago, Ill.

1,525,525 (Feb. 10, 1925; appl. Jan. 9, 1922). WINDOW SCREEN.
William W. Watson, Jamestown, N. Y.

1,529,073 (Mar. 10, 1925; appl. Jan. 25, 1923). SCREEN CON-
STRUCTION. Gustav L. Le Roy, Chicago, Ill.

1,531,431 (Mar. 21, 1925; appl. Apr. 18, 1923). WINDOW SCREEN.
Bradley J. Bowler, Baltimore, Md.

1,536,489 (May 5, 1925; appl. Oct. 19, 1923). WINDOW SCREEN.
Charles F. Geschickter, Washington, D. C.

1,545,780 (July 14, 1925; appl. May 8, 1924). WINDOW SCREEN.
William H. Kuhne, Safety Harbor, Fla.

1,556,461 (Oct. 6, 1925; appl. Apr. 7, 1925). WINDOW-SEAL STRIP.
Frank Thill, Long Island City, N. Y.

1,558,727 (Oct. 27, 1925; appl. Nov. 1, 1922). SCREEN FRAME
AND SHOE FOR SUPPORTING THE SAME. John O. Wagner, Chicago, Ill.

1,558,728 (Oct. 27, 1925; appl. Feb. 19, 1923). CAR-WINDOW
SCREEN. John O. Wagner, Chicago, Ill.

1,561,877 (Nov. 17, 1925; appl. Apr. 24, 1925). WINDOW SCREEN.
Clement S. Martin, Rockville, Md.

1,562,055 (Nov. 17, 1925; appl. Apr. 24, 1924). ADJUSTABLE
SCREEN DOOR. Grover E. Richards, Youngstown, Ohio.

1,562,605 (Nov. 24, 1925; appl. Feb. 19, 1923). WINDOW-SCREEN
BRACE. John O. Wagner, Chicago, Ill.

1,563,361 (Dec. 1, 1925; appl. Feb. 4, 1924). WINDOW SCREEN.
Millard F. Henning, Oakland, Calif.

1,564,191 (Dec. 8, 1925; appl. Oct. 15, 1923). WINDOW SCREEN.
Roger L. Austin and Caryl H. Gall, Lansing, Mich.

1,568,494 (Jan. 5, 1926; appl. Apr. 21, 1924). WINDOW SCREEN.
George Anastas, Pocatello, Idaho.

1,572,786 (Feb. 9, 1926; appl. Jan. 14, 1925). WINDOW SCREEN.
Ernest P. Garner, Charlotte, N. C.

1,575,738 (Mar. 9, 1926; appl. Jan. 8, 1925). SCREEN. William
N. Cropper, Lexington, Ky.

1,578,277 (Mar. 30, 1926; appl. Feb. 12, 1924). WINDOW SCREEN.
Charles F. Geschickter, Washington, D. C.

1,579,289 (Apr. 6, 1926; appl. Sept. 24, 1924). INSECT EXCLUDER.
Darsie E. Edwards, Clinton, Mo.

1,579,410 (Apr. 6, 1926; appl. Aug. 23, 1923). SCREEN FASTENING
FOR CAR WINDOWS. William C. Smith, Chicago, Ill. - Pullman Company,
Chicago, Ill.

1,583,972 (May 11, 1926; appl. Apr. 28, 1924). METAL-FRAME
SCREEN. Emil Holaday and Lloyd S. Whipp, Springfield, Ohio.

1,584,910 (May 18, 1926; appl. May 15, 1925). AUTOMOBILE
WINDOW SCREEN. Clarence A. Volker, Monroe, Mich.

1,585,847 (May 25, 1926; appl. Apr. 3, 1924). WINDOW-SCREEN
MOUNTING. Charles F. Geschickter, Washington, D. C.

1,586,708 (June 1, 1926; appl. May 27, 1925). METALLIC SCREEN
FRAME. Alfred W. Sandelin, Minneapolis, Minn.

1,588,161 (June 8, 1926; appl. Dec. 29, 1925). METAL FRAME FOR
WINDOW SCREENS. James H. Bost, Charlotte, N. C.

1,594,812 (Aug. 3, 1926; appl. Nov. 8, 1922). WINDOW SCREEN.
Robert E. Blackburn, Los Angeles, Calif.

1,596,507 (Aug. 17, 1926; appl. Nov. 17, 1924). METALLIC SCREEN.
Arthur L. Otto, Philadelphia, Pa. - Orange Screen Company, Maplewood, N. J.

1,599,919 (Sept. 14, 1926; appl. June 4, 1923). WINDOW SCREEN.
Carl Theo. Osterberg, Milwaukee, Wis.

1,600,809 (Sept. 21, 1926; appl. Aug. 20, 1923). AUTOMOBILE
WINDOW SCREEN. Augustus C. Durdin, Jr., Chicago, Ill.

1,602,096 (Oct. 5, 1926; appl. Jan. 18, 1926). COMBINED SCREEN
AND STORM WINDOW OR DOOR FRAME. John S. Barnes, Ann Arbor, Mich.

1,604,054 (Oct. 19, 1926; appl. June 5, 1926). TRACK MOUNTING
FOR SCREENS OR THE LIKE. Peter H. Kuyper, Des Moines, Ia.

1,610,036 (Dec. 7, 1926; appl. Aug. 10, 1923). WINDOW SCREEN.
Joseph Buxbaum, New York, N. Y.

- 1,610,115 (Dec. 7, 1926; appl. June 4, 1925). SCREEN ATTACHMENT FOR AUTOMOBILES. Joel K. White, La Crosse, Wis.
- 1,615,580 (Jan. 25, 1927; appl. Oct. 5, 1925). WINDOW SCREEN. Joseph P. Hamel, Ayer, Mass.
- 1,622,927 (Mar. 29, 1927; appl. May 18, 1925). WINDOW-SCREEN HANGER. Manuel S. Serpa, Rodeo, Calif.
- 1,624,368 (Apr. 12, 1927; appl. Apr. 23, 1925). WINDOW SCREEN. Ernest M. Schwarz, Philadelphia, Pa.
- 1,624,534 (Apr. 12, 1927; appl. Apr. 24, 1925). WINDOW SCREEN. James A. Chewning, Sikeston, Mo.
- 1,628,485 (May 10, 1927; appl. May 20, 1926). WINDOW SCREEN. Robert P. Willig, Pittsburgh, Pa.
- 1,630,450 (May 31, 1927; appl. Dec. 19, 1925). METAL SCREEN. Delmar D. Pinkham, Texarkana, Tex.
- 1,630,808 (May 31, 1927; appl. Nov. 27, 1925). ALARM DEVICE. Erich T. Siegerdt, Chicago, Ill.
- 1,632,022 (June 14, 1927; appl. May 6, 1926). WINDOW SCREEN. John T. Cook, Howell, Mich - One-half to Frank J. Finch, Jackson, Mich.
- 1,639,589 (Aug. 16, 1927; appl. Sept. 4, 1926). SCREEN FOR AUTOMOBILES. Norman L. Collton, Newport News, Va.
- 1,646,390 (Oct. 25, 1927; appl. Jan. 22, 1926). SCREEN ADJUSTER. Jesse L. Carrigan, Birmingham, Ala.
- 1,646,832 (Oct. 25, 1927; appl. June 30, 1926). SHEET-METAL WINDOW SCREEN. Arno F. Otto, Milwaukee, Wis.
- 1,647,179 (Nov. 1, 1927; appl. Oct. 16, 1925). SCREEN ATTACHMENT. J. T. Huntington, Flint, Mich.
- 1,651,839 (Dec. 6, 1927; appl. July 12, 1926). SCREEN AND SEAL FOR AUTOMOBILE DOORS. Myron H. Rogers, Dearborn, Mich.
- 1,652,684 (Dec. 13, 1927; appl. Apr. 28, 1926). COMBINED SCREEN, HINGE, AND SHUTTER. John C. Poetz, St. Paul, Minn.
- 1,653,184 (Dec. 20, 1927; appl. July 18, 1925). WINDOW SCREEN. John Columbus, Philadelphia, Pa.
- 1,643,351 (Dec. 20, 1927; appl. May 22, 1926). WINDOW SCREEN. Richard W. Evans, Spokane, Wash.
- 1,657,257 (Jan. 24, 1928; appl. Sept. 11, 1926). AUTOMOBILE SCREEN. Henry D. Hamp, Baltimore, Md.

1,657,506 (Jan. 31, 1928; appl. Oct. 21, 1925). SCREEN FOR AUTOMOBILE WINDOWS. Alph I. Jacobson, Madelia, Minn.

1,659,101 (Feb. 14, 1928; appl. Sept. 15, 1924). METAL FRAME FOR SCREENS. Maryon N. Harvey, Kansas City, Mo.

1,664,311 (Mar. 27, 1928; appl. Nov. 26, 1926). WINDOW-SCREEN FRAME. Oscar V. Nelson, Racine, Wis.

1,665,475 (Apr. 10, 1928; appl. Jan. 26, 1926). SCREEN. Francis J. Plym, Niles, Mich. - Kawneer Co., Niles, Mich.

1,666,580 (Apr. 17, 1928; appl. Apr. 12, 1926). SCREEN. John H. Park, Harrisburg, Pa.

1,668,019 (May 1, 1928; appl. Oct. 6, 1927). SCREEN GUARD. Calvin E. Kaufman, Davidsville, Pa.

1,668,849 (May 8, 1928; appl. Feb. 10, 1927). DETACHABLE FOLDING SCREEN. John F. Landt, St. Paul, Minn.

1,672,896 (June 12, 1928; appl. Nov. 26, 1920). WINDOW SCREEN, John W. Marshall, Chicago, Ill.

1,681,300 (Aug. 21, 1928; appl. Feb. 12, 1927). SCREEN MEANS FOR AUTOMOBILES. Arthur J. Maas, Madison, Wis.

1,683,421 (Sept. 4, 1928; appl. Apr. 3, 1925). SCREEN FRAME. John E. Sodergren, Minneapolis, Minn.

1,684,027 (Sept. 11, 1928; appl. Aug. 5, 1927). SCREEN FOR WINDOWS OF AUTOMOBILES. Laura B. Hinman, Syracuse, N. Y.

1,684,121 (Sept. 11, 1928; appl. Oct. 30, 1926). SCREEN DEVICE FOR CASEMENT WINDOWS. Amos W. Wentzell, Salem, N. J.

1,684,349 (Sept. 11, 1928; appl. Jan. 22, 1926). WINDOW SCREEN. Ernest P. Garner, Charlotte, N. C.

1,685,587 (Sept. 25, 1928; appl. July 2, 1927). SCREEN FOR VEHICLE WINDOW FRAMES. Harold H. Hager, Point Place, Ohio.

1,688,494 (Oct. 23, 1928; appl. May 31, 1927). WINDOW SCREEN. Harry A. Hendren, Sacramento, Calif.

1,690,649 (Nov. 6, 1928; appl. May 24, 1927). ADJUSTABLE WINDOW SCREEN. Robert L. Radford, Biltmore, N. C. - H. B. Leavitt, Asheville, N. C.

1,691,977 (Nov. 20, 1928; appl. Mar. 10, 1928). WINDOW SCREEN. Louis Levi, Winthrop, Mass.

1,693,209 (Nov. 27, 1928; appl. June 29, 1927). WINDOW SCREEN. Samuel H. Peterson and Adolph G. Anderson, Muskegon Heights, Mich.

1,693,822 (Dec. 4, 1928; appl. Jan. 18, 1926). SCREEN. Charles A. Shogren, Chicago, Ill. - Art Metal Screen and Weather Strip Co., Chicago, Ill.

1,695,091 (Dec. 11, 1928; appl. July 19, 1927). VENTILATING SCREEN. Harry H. Everhard, Canton, Ohio.

1,695,764 (Dec. 18, 1928; appl. July 20, 1926). HANGING DEVICE FOR SCREENS. Russell S. Holcomb, Los Angeles, Calif.

1,697,092 (Jan. 1, 1929; appl. Apr. 30, 1928). VEHICLE WINDOW SCREEN. Walter F. Spreiter, Staples, Minn.

1,698,020 (Jan. 8, 1929; appl. Jan. 21, 1927). ALL-METAL SCREEN-CARRYING WINDOW FRAME. Edward F. Langer, Kampsville, Ill.

1,698,064 (Jan. 8, 1929; appl. Feb. 7, 1924). METALLIC SCREEN. Arthur L. Otto, Philadelphia, Pa. - Orange Screen Co., Maplewood, N. J.

1,698,065 (Jan. 8, 1929; appl. Apr. 28, 1924). METALLIC SCREEN. Arthur L. Otto, Philadelphia, Pa. - Orange Screen Co., Maplewood, N. J.

1,698,145 (Jan. 8, 1929; appl. Sept. 20, 1926). SCREEN-WIRE BINDER. Edwin A. Neiberger, Elmhurst, Ill.

1,698,885 (Jan. 15, 1929; appl. Sept. 11, 1925). WINDOW SCREEN. Theodore Johnson, Erie, and Paul G. Johnson, Wesleyville, Pa.

1,701,701 (Feb. 12, 1929; appl. Apr. 3, 1925). SCREEN APPARATUS FOR PIVOTED SASHES. John E. Sodergren, Minneapolis, Minn.

1,701,024 (Feb. 5, 1929; appl. Dec. 20, 1926). AUTO SCREEN. Walter I. Wellman and James M. Dunn, Garden City, Kans.

1,701,848 (Feb. 12, 1929; appl. Sept. 6, 1927). WINDOW SCREEN FOR AUTOMOBILES. Edward Hickman, Phoenix, Ariz.

1,702,395 (Feb. 19, 1929; appl. June 28, 1927). WINDOW-SCREEN CLAMP. Anna K. Anderson, New York, N. Y.

1,704,157 (Mar. 5, 1929; appl. Mar. 10, 1927). AUTOMOBILE SCREEN. Otis M. Webber, Winona, Minn.

1,704,195 (Mar. 5, 1929; appl. June 17, 1927). FABRIC FOR WINDOW SCREENS, SCREEN DOORS, AND THE LIKE. William G. Ilch, Washington, D. C.

1,705,132 (Mar. 12, 1929; appl. Mar. 14, 1927). WINDOW SCREEN. Glenn H. Norquist and Ralph A. Norquist, Jamestown, N. Y.

1,705,442 (Mar. 12, 1929; appl. May 14, 1927). WINDOW SCREEN. Franklin Dominick, Yonkers, N. Y.

1,708,363 (Apr. 9, 1929; appl. Apr. 19, 1927). WINDOW SCREEN.
Harry H. Everhard, Canton, Ohio.

1,708,770 (Apr. 9, 1929; appl. Mar. 24, 1927). WINDOW SCREEN.
Samuel F. McConnell, Bloomfield, Ia.

1,709,883 (Apr. 23, 1929; appl. Dec. 22, 1927). AWNING-CORD
GUIDE FOR WINDOW SCREENS. Jacob Schwarzkopf, Toledo, Ohio.

1,711,050 (Apr. 30, 1929; appl. June 16, 1928). METAL-SCREEN
FRAME PULL. Lawrence M. Foss, Wakefield, Mass. - Morrison-Skinner
Company, Wakefield, Mass.

1,711,670 (May 7, 1929; appl. Mar. 14, 1927). SCREEN. Arthur
T. Brennan, Detroit, Mich.

1,712,341 (May 7, 1929; appl. June 11, 1927). WINDOW SCREEN
FOR AUTOMOBILES. James M. Fisher, New Orleans, La.

1,712,659 (May 14, 1929; appl. Feb. 6, 1926). SCREEN. William
H. Fridley, Anna, Ohio.

1,712,664 (May 14, 1929; appl. Oct. 1, 1927; in Great Britain
June 20, 1927). SCREEN FOR USE WITH WINDOWS OF THE SLIDING-SASH TYPE.
James Grant, Gourock, Scotland.

1,716,172 (June 4, 1929; appl. Feb. 11, 1928). SCREEN.
Theodore Johnson, Erie, Pa. - Johnson Metal Products Co., Erie, Pa.

1,718,132 (June 18, 1929; appl. Jan. 31, 1928). WINDOW SCREEN.
Otto A. Fritz, Melrose, Mass.

1,718,149 (June 18, 1929; appl. May 18, 1927). SCREEN. Lewis
Hufferd, Lodi, N. Y.

1,721,147 (July 16, 1929; appl. Jan. 28, 1925). SCREEN AND
PORTABLE CASING THEREFOR. Ernst J. Ericsen, New York, N. Y.

1,722,481 (July 30, 1929; appl. Mar. 24, 1928). WINDOW SCREEN
FOR AUTOMOBILES. Nathan C. Ragdale, Savannah, Ga.

1,722,663 (July 30, 1929; appl. Nov. 24, 1928). SHIFTABLE SCREEN.
Nathaniel S. Fox, Bridgeton, N. J.

1,722,917 (July 30, 1929; appl. Nov. 11, 1927). AUTOMOBILE
SCREEN. Christian Heumader, St. Joseph, Mo.

1,722,947 (July 30, 1929; appl. Nov. 4, 1927). FLY SCREEN.
Albert C. Schneider, Fort Thomas, and Harry E. Schneider, Newport, Ky.
- Cincinnati Fly Screen Co., Cincinnati, Ohio.

1,723,642 (Aug. 6, 1929; appl. Dec. 2, 1927). WINDOW SCREEN
MOUNTING. Ralph C. Bevans, Dorchester, Mass.

1,725,937 (Aug. 27, 1929; appl. Sept. 16, 1927). METALLIC SCREEN FRAME. William E. Rosel, Columbus, Ohio. - Yardley Screen and Weather Strip Co., Columbus, Ohio.

1,726,703 (Sept. 3, 1929; appl. Mar. 30, 1928). SCREEN CONSTRUCTION. Clarence S. Inglis, Glyndon, Pa.

1,728,539 (Sept. 17, 1929; appl. Mar. 9, 1925). HINGE FOR SLIDING WINDOW SCREENS. Charles F. Geschickter, Washington, D. C.

1,729,348 (Sept. 24, 1929; appl. July 5, 1927). WINDOW SCREEN. William M. Koons, Wichita, Kans.

1,730,204 (Oct. 1, 1929; appl. Jan. 5, 1927). VEHICLE SCREEN. Dan L. Harris, Blackwell, Okla. - Seymoure H. Shawver and Walter W. Evens, Blackwell, Okla.

1,730,757 (Oct. 8, 1929; appl. Apr. 1, 1926). WINDOW SCREEN. Theodore C. Casha, Okland, and John T. Harris, Berkeley, Calif.

1,731,668 (Oct. 15, 1929; appl. Nov. 26, 1927). WINDOW SCREEN. James T. Johnson, Nashville, Tenn. - Edwin F. Bottitt, Nashville, Tenn.

1,732,628 (Oct. 22, 1929; appl. May 14, 1927). WINDOW SCREEN. Lucien J. Baribault, New Haven, Conn.

1,733,877 (Oct. 29, 1929; appl. Jan. 31, 1924). METAL WINDOW SCREEN. Henry Higgin, Newport, Ky. - Higgin Manufacturing Co., Newport, Ky.

1,734,710 (Nov. 5, 1929; appl. Jan. 29, 1927). METHOD OF MANUFACTURING SCREEN FRAMES. Albert G. Borchert, Cleveland, Ohio.

1,734,886 (Nov. 5, 1929; appl. Oct. 7, 1925). WINDOW FLY STOP. Ferminio Speranza, Avonmore, Pa.

1,735,207 (Nov. 12, 1929; appl. Mar. 10, 1928). SCREEN SLIDE. Reinol H. Natzke, Chicago, Ill. - Ellis Johnson, Chicago, Ill.

1,735,501 (Nov. 12, 1929; appl. Oct. 13, 1928). ADJUSTABLE METAL WINDOW SCREEN. Paul J. A. Hammill, Hamilton, Ontario, Canada. - Ira Green and Victor P. H. Green, Hamilton, Canada.

1,736,075 (Nov. 19, 1929; appl. Sept. 1, 1927). METAL WINDOW SCREEN. Elmer T. Galley, Pasadena, Calif.

1,736,336 (Nov. 19, 1929; appl. Jan. 11, 1928). SLIDING SCREEN CONSTRUCTION. Viola Berryman and Gideon C. Hoxie, Concord, Calif.

1,736,688 (Nov. 19, 1929; appl. Jan. 28, 1929). VEHICLE SCREEN. Gordon S. Yerby and John F. Hewitt, Portland, Ore.

1,738,517 (Dec. 10, 1929; appl. June 22, 1927). SCREEN FOR AUTOMOBILES. Ira T. Borland, Granville, Ill.

1,739,429 (Dec. 10, 1929; appl. May 23, 1927). WINDOW SCREEN. James Watson, Marinette, Wis.

1,739,811 (Dec. 17, 1929; appl. Nov. 21, 1927). SCREEN CONSTRUCTION. John O. Wagner, Chicago, Ill.

1,740,960 (Dec. 24, 1929; appl. July 30, 1926). WINDOW-SCREEN FIXTURE. Israel Roberge, Pawtucket, R. I.

1,741,890 (Dec. 31, 1929; appl. Feb. 11, 1928). AUTO SCREEN. Bennett G. Turner, Los Angeles, Calif.

1,741,986 (Dec. 31, 1929; appl. Nov. 4, 1927). VENTILATING SCREEN. Joseph Harris, Wheaton, Ill.

1,743,099 (Jan. 14, 1930; appl. Nov. 2, 1925). WINDOW SCREEN. Jasper Blackburn, Webster Groves, Mo.

1,743,935 (Jan. 14, 1930; appl. June 28, 1929). FLY SCREEN. Albert C. Schneider, Fort Thomas, and Harry E. Schneider, Newport, Ky. - Cincinnati Fly Screen Co., Cincinnati, Ohio.

1,744,177 (Jan. 21, 1930; appl. Oct. 12, 1926). AUTOMOBILE SCREEN. Hannah M. Schuler, Galesburg, Ill.

1,744,267 (Jan. 21, 1930; appl. June 25, 1928). SEPARABLE WINDOW SCREEN. Joseph P. Hamel, Ayer, Mass. - Alexis Mailloux, Lowell, Mass.

1,745,818 (Feb. 4, 1930; appl. July 13, 1928). WINDOW SCREEN. Jeremiah M. Trombly and Keith A. Trombly, Hinsdale, Mass.

1,749,755 (Mar. 11, 1930; appl. July 13, 1928). SCREEN PATCH. David Downer, Cimarron, Kans.

1,750,659 (Mar. 18, 1930; appl. Jan. 3, 1927). WINDOW SCREEN. Gustaf H. Barclay, Detroit, Mich. - Detroit Steel Products Co., Detroit, Mich.

1,751,200 (Mar. 18, 1930; appl. Sept. 17, 1928). AUTOMOBILE SCREEN. Mary L. Gray and Elizabeth Ford, Waverly, Va.

1,753,264 (Apr. 8, 1930; appl. June 25, 1926). SCREEN AND HANGER THEREFOR. Elmer A. Davis, Detroit, Mich.

1,753,683 (Apr. 8, 1930; appl. Sept. 9, 1926). WIRE-SCREEN FRAME AND METHOD OF MAKING THE SAME. Robert E. Blackburn, Los Angeles, Calif.

1,753,866 (Apr. 8, 1930; appl. May 31, 1928). SCREEN FOR MOTOR VEHICLES. Alfred D. McCormack, Mankato, Minn.

1,754,018 (Apr. 8, 1930; appl. June 22, 1925). WINDOW SCREEN.
Henry Higgin, Newport, Ky. - Higgin Manufacturing Co., Newport, Ky.

1,755,801 (Apr. 22, 1930; appl. July 30, 1928). WINDOW AND
SCREEN THEREFOR. Ainsley J. Vincent, Lawrence, Mass.

1,755,866 (Apr. 22, 1930; appl. Apr. 28, 1927). KNOCKDOWN
WINDOW SCREEN. Joseph Buxbaum, Brooklyn, N. Y.

1,756,227 (Apr. 29, 1930; appl. Aug. 29, 1929). SCREEN FOR
AUTOMOBILE WINDOWS AND THE LIKE. John Torrent, Muskegon, Mich.

1,756,229 (Apr. 29, 1930; appl. Feb. 19, 1929). WINDOW-SCREEN
DEVICE. William Turner, Portland, Ore.

1,757,706 (May 6, 1930; appl. Feb. 25, 1929). SCREEN-FRAME
MATERIAL. William J. Dennis, Chicago, Ill.

1,757,896 (May 6, 1930; appl. Sept. 7, 1928). AUTOMOBILE WINDOW
SCREEN. Edna Baron, Chicago, Ill.

1,758,720 (May 13, 1930; appl. Jan. 14, 1929). SCREEN. John
E. Sodergren, Minneapolis, Minn.

1,758,849 (May 13, 1930; appl. Mar. 23, 1927). AUTOMOBILE DOOR
SCREEN. Gabriel W. Perron, Williamansett, Mass.

1,758,955 (May 20, 1930; appl. Feb. 29, 1928). WINDOW SCREEN.
Andrew W. Lovejoy, Kansas City, Mo.

1,759,457 (May 20, 1930; appl. Sept. 7, 1928). SCREEN SLIDE.
Albert A. Kamin, Chicago, Ill.

1,760,416 (May 27, 1930; appl. Oct. 14, 1929). WINDOW SCREEN.
Lawrence Kolano and Thomas Palka, Wyandotte, Mich.

1,763,348 (June 10, 1930; appl. Feb. 23, 1929). WINDOW-SCREEN
HANGER. James D. Dyer, Kansas City, Mo.

1,763,371 (June 10, 1930; appl. Dec. 31, 1928). SCREEN MOUNTING.
John C. Scheeler, Buffalo, N. Y. - Buffalo Wire Works Co., Inc., Buffalo,
N. Y.

1,765,244 (June 17, 1930; appl. Oct. 5, 1929). SCREEN BRACKET
FOR AUTOMOBILE WINDOWS AND THE LIKE. Bruce Schwein, Turon, Kans.

1,765,388 (June 24, 1930; appl. June 3, 1925). SCREEN. William
W. Watson, Jamestown, N. Y.

1,766,054 (June 24, 1930; appl. Nov. 15, 1926). SCREEN HANGER.
Arthur T. Brennan, Detroit, Mich.

1,767,116 (June 24, 1930; appl. July 20, 1928). WINDOW SCREEN.
Otto W. Brandes, Milwaukee, Wis.

1,767,487 (June 24, 1930; appl. Aug. 3, 1928). METAL FRAME FOR
SCREENS. Charles A. Shogren, Chicago, Ill.

1,769,177 (July 1, 1930; appl. Oct. 18, 1926). WINDOW SCREEN.
Thomas Conley, West Newton, Mass.

1,772,353 (Aug. 5, 1930; appl. Apr. 28, 1927). SCREEN FOR
SWINGING WINDOWS. Theodore Johnson, Erie, and Paul G. Johnson, Wesleyville,
Pa. - Johnson Metal Products Co., Erie, Pa.

1,772,780 (Aug. 12, 1930; appl. Dec. 24, 1927). METHOD OF
FORMING FRAMES FOR METALLIC SCREENS. Louis J. Milone, Newark, N. J.
- Orange Screen Co., Maplewood, N. J.

1,773,731 (Aug. 26, 1930; appl. July 22, 1929). WINDOW SCREEN.
Frederick F. Haskell, Arlington, Mass. - Apexcon Co., Jamaica Plain,
Mass.

1,774,255 (Aug. 26, 1930; appl. June 24, 1929). WINDOW-SCREEN
HANGER. Robert L. Durflinger, Indianapolis, Ind.

1,776,285 (Sept. 24, 1930; appl. Apr. 12, 1928). METALLIC
SCREEN. Thomas R. Herbst, Wheeling, W. Va. - Consolidated Expanded
Metal Companies, Wheeling, W. Va.

1,778,713 (Oct. 21, 1930; appl. Nov. 28, 1928). SCREEN MOUNTING
FOR REVOLVING WINDOWS. William J. Baker, Newport, Ky.

1,778,986 (Oct. 21, 1930; appl. Feb. 12, 1930). WINDOW SCREEN.
Andrew Sonafelt, Enid, Okla.

1,779,636 (Oct. 28, 1930; appl. Apr. 16, 1928). SCREEN IN-
STALLATION. Edward W. Pendery, Newport, Ky. - Higgin Manufacturing
Co., Newport, Ky.

1,779,845 (Oct. 28, 1930; appl. June 22, 1927). OUTSIDE
WINDOW SCREEN. Charles W. Harring, Brooklyn, N. Y.

1,779,858 (Oct. 28, 1930; appl. Sept. 24, 1928). WINDOW-
SCREEN CONSTRUCTION. Darius E. Shrauger, Atlanta, Ia.

1,779,859 (Oct. 28, 1930; appl. Feb. 4, 1929; divided and
filed Mar. 24, 1930). SCREEN-FRAME CONSTRUCTION. Darius E. Shrauger,
Atlantic, Iowa.

1,779,860 (Oct. 28, 1930; appl. Feb. 4, 1929). WINDOW HALF
SCREEN. Darius E. Shrauger, Atlantic, Iowa.

1,780,492 (Nov. 4, 1930; appl. Dec. 2, 1927). RAIN DRAIN FOR
WINDOW SCREENS. Edward A. Malm, Wadena, Minn.

1,780,823 (Nov. 4, 1930; appl. Jan. 21, 1930). SCREEN. Paul G. Johnson, Erie, Pa. - Johnson Metal Products Co., Erie, Pa.

1,780,871 (Nov. 4, 1930; appl. June 27, 1929). SCREEN FOR WINDOWS, WINDSHIELDS, AND THE LIKE. George A. Dickson, Medway, Mass. - Lillian M. Dickson, Medway, Mass., and James A. Anderson, City Mills, Mass.

1,782,173 (Nov. 18, 1930; appl. May 7, 1928). AUTOMOBILE DOOR OR WINDOW SCREEN. Leonard H. Nichol森, Chula Vista, Calif.

1,785,584 (Dec. 16, 1930; appl. Sept. 20, 1926). SCREEN FOR CASEMENT WINDOWS. Henry Higgin, Newport, Ky. - Higgin Manufacturing Co., Newport, Ky.

1,786,040 (Dec. 23, 1930; appl. Mar. 24, 1930). SCREEN MOUNTING. William H. Taylor, Des Moines, Iowa.

1,787,627 (Jan. 6, 1931; appl. Mar. 1, 1929). WINDOW SCREEN. Joseph E. Johnson, Roslindale, Mass.

1,788,296 (Jan. 6, 1931; appl. May 8, 1929). WINDOW SCREEN. Laney D. Herndon, Columbus, Ga.

1,788,932 (Jan. 13, 1931; appl. Oct. 25, 1928). COMBINATION SCREEN AND STORM WINDOW. William F. Schenke, Marinette, Wis.

1,790,861 (Feb. 3, 1931; appl. Sept. 16, 1929). SCREEN STRUCTURE. Douglas G. Harvey, Dixon, Ill. - Reynolds Wire Co., Dixon, Ill.

1,792,594 (Feb. 17, 1931; appl. Oct. 22, 1929). SCREEN-REPAIRING DEVICE. Nat Litwin, Brooklyn, N. Y.

1,793,539 (Feb. 24, 1931; appl. June 13, 1929). SCREEN. John V. Abronski, Pitman, N. J.

1,795,715 (Mar. 10, 1931; appl. Mar. 25, 1929). WINDOW-SCREEN MOUNTING. William H. Ebert and Albert G. Ebert, Kenmore, N. Y.

1,796,581 (Mar. 17, 1931; appl. Jan. 6, 1930). SCREEN. Anthony G. Siebenlist, Milwaukee, Wis. - Milcor Steel Co., Milwaukee, Wis.

1,797,511 (Mar. 24, 1931; appl. June 5, 1929). SCREEN FRAME. Albert S. Mensik, Chicago, Ill.

1,798,833 (Mar. 31, 1931; appl. Nov. 1, 1929). WINDOW SCREEN. Alexander B. Campbell, Jr., Jacksonville, Fla.

1,799,484 (Apr. 7, 1931; appl. July 7, 1928). WINDOW SCREEN. Lee C. Steele, South Bend, Ind.

1,799,671 (Apr. 7, 1931; appl. Mar. 30, 1929; renewed February 7, 1931). SCREENED WINDOW. Bruce Blackburn, Los Angeles, Calif.

1,803,527 (May 5, 1931; appl. Dec. 17, 1928). WINDOW SASH AND SCREEN. Oscar R. Hankins, Aurora, Ill. - Larimer Co., Aurora, Ill.

1,803,920 (May 5, 1931; appl. Feb. 24, 1930). SCREEN CONSTRUCTION. Darius E. Shrauger, Atlantic, Iowa.

1,804,326 (May 5, 1931; appl. June 17, 1929). FLY CHASER. Anton Dolkken, Brookings, S. D.

1,807,425 (May 26, 1931; appl. Nov. 8, 1928). WINDOW SCREEN CONSTRUCTION. Charles McCalmon, Manitowoc, Wis.

1,808,218 (June 2, 1931; appl. Apr. 10, 1930). METAL DOOR AND WINDOW SUPPORT. Clifford W. Griffin, Lebanon, Tenn.

1,809,236 (June 9, 1931; appl. June 28, 1930). GUIDE FOR SLIDABLE WINDOW SCREENS. Harry H. Everhard, Canton, Ohio.

1,810,274 (June 16, 1931; appl. Dec. 18, 1928). METAL WINDOW SCREEN. Frederick F. Haskell, Arlington, Mass. - Apexcon Co., Jamaica Plain, Mass.

1,810,791 (June 16, 1931; appl. Aug. 21, 1930). SLIDING WINDOW SCREEN. Joseph F. Roesler, Lufkin, Tex.

1,811,553 (June 23, 1931; appl. May 31, 1930). SCREEN. Barney E. McElyea, St. Louis, Mo.

1,813,474 (July 7, 1931; appl. Jan. 3, 1931). CLOSURE FOR WINDOWS. Lawrence T. Ward, Kane, Pa. - Kane Manufacturing Co., Kane, Pa.

1,813,475 (July 7, 1931; appl. Feb. 24, 1931). SCREEN AND LIKE DEVICE. Lawrence T. Ward, Kane, Pa. - Kane Manufacturing Co., Kane, Pa.

1,814,162 (July 14, 1931; appl. Apr. 26, 1929). DOOR AND WINDOW SCREEN. Benjamin L. Ingram, Menard, and William H. De Long, Champaign, Ill.

1,814,322 (July 14, 1931; appl. Dec. 4, 1929). AUTO WINDOW SCREEN. Alfred D. McCormack, Mankato, Minn.

1,816,196 (July 28, 1931; appl. July 5, 1929). SCREEN FOR AUTOMOBILES. Donald D. Rowley and David M. McLeilan, Buffalo, N. Y.

1,824,187 (Sept. 22, 1931; appl. Feb. 1, 1930). WINDOW SCREEN FRAME. Frank R. Adams, Chicago, Ill.

1,824,897 (Sept. 29, 1931; appl. Apr. 15, 1930). WINDOW SCREEN. Joseph E. Johnson, Roslindale, Mass.

1,825,538 (Sept. 29, 1931; appl. Sept. 9, 1930). SCREEN. Linwood A. Pace, Shreveport, La.

1,826,606 (Oct. 6, 1931; appl. Mar. 31, 1931). WINDOW SCREEN.
Joseph A. Delaney, Jersey City, N. J.

1,826,678 (Oct. 6, 1931; appl. June 27, 1928). WINDOW CON-
STRUCTION. Joseph H. Sheard, Philadelphia, Pa. - David Lupton's
Sons Co., Philadelphia, Pa.

1,827,353 (Oct. 13, 1931; appl. July 26, 1929). VEHICLE
SCREEN. Andrew H. Card, Jr., Pineville, Ky.

1,827,382 (Oct. 13, 1931; appl. Jan. 14, 1931). METAL SCREEN.
Wilson P. Chamberlain, Jr., Corry, Pa. - Corry Metal Corp., Corry, Pa.

1,827,494 (Oct. 13, 1931; appl. Oct. 31, 1929). COMBINATION
WINDOW AND SCREEN. George I. Thomson, Kansas City, Mo.

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FRAMING. Clarence S. Inglis, Glyndon, Md.

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John T. Sampson, Bristol, Va.

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Ralph A. Norquist and Glenn H. Norquist, Jamestown, N. Y.

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Gralinski, New Galilee, Pa. - One-fourth to David Trambatt, Hilliards, Pa.,
one-tenth to Andres Kadunc, Hilliards, Pa.

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Mich.

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Carl J. Jackson, Superior, Wis.

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Darius E. Shrauger, Atlantic, Iowa.

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BEAD. William J. Dennis, Chicago, Ill.

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Minn.

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Edward B. Feaster, West Newton, Mass.

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Theodore Johnson, Erie, Pa. - Johnson Metal Products Co., Erie, Pa.

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Laney D. Herndon, Columbus, Ga.

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Pella, Iowa. - Rolscreen Co., Pella, Iowa.

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AND SUPPORT THEREFOR. Michael J. Tracy, St. Louis County, Mo.

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FIXTURE. Frank B. Valladoa, New Bedford, Mass.

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Louis Levi, Winthrop, Mass.

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SCREEN. Aloys Thurwanger, Norwood, Ohio.

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Robert P. Turner, York, Pa. - New York Wire Cloth Company, New York, N.Y.

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W. Carlson, Van Dyke, Mich.

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John J. Ritter, Urbana, Ohio. - W. B. Marvin Manufacturing Co., Urbana,
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Verduin, Cornelius, 1,512,252
Vincent, Ainsley J., 1,755,801
Volker, Clarence A., 1,584,910
Wagner, James O., 1,558,727
Wagner, John O., 1,435,270; 1,504,457; 1,524,724; 1,558,728; 1,562,605;
1,739,811
Ward, Lawrence T., 1,813,474; 1,813,475
Watson, James, 1,739,429
Watson, William W., 1,238,854; 1,241,687; 1,241,794; 1,408,849; 1,473,982;
1,488,577; 1,495,542; 1,525,525; 1,765,388
Webber, Otis M., 1,704,157
Wellman, Walter I. and Dunn, James M., 1,701,024
Wentzell, Amos W., 1,684,121
Wertz, Duff H., 1,279,625
Whipp, Lloyd S., (See Holaday, Emil)
White, Joel K., 1,610,115
Willhoite, Elmer T., 1,431,071
Williams, Harold E., Garrigues, Howard L. and Richardson, William F.,
1,918,073
Willig, Robert P., 1,628,485
Winchester, Coleman S. and Burton, John, 1,492,822
Worden, Frank B., (See Carlson, Edvard)
Worden, Frank B., 1,233,432
Yeager, Lee A., 1,476,565

Yerby, Gordon S. and Hewett, John F., 1,736,688
Youns, William M., (See Jourdan, Emil H.)
Zimmer, Samuel B., 1,270,915
Zimmerman, Ralph W., 1,931,786
Zrebiec, Rose, 1,324,950